

**REMARKS**

In the Office Action, claims 1-26, 32, 33 and 51-60 were allowed. Claims 27-28 and 31 were rejected under 35 U.S.C. § 102(b) as being anticipated by U.S. Patent No. 6,208,207 to Cavers. Claim 31 was also rejected under 35 U.S.C. § 112 as lacking antecedent basis. Further, claims 27-31 were provisionally rejected under 35 U.S.C. § 101 as claiming the same invention as that of copending U.S. Application No. 10/613,372. In addition, although the Office Action Summary conflicts with the statements set forth in the Detailed Action, the Applicant believes the examiner intended to object to claims 34-45, which would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. Applicants affirm election of Group I; claims 46-50 have been withdrawn from consideration.

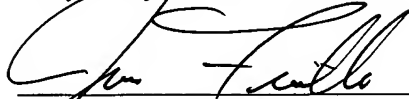
The Applicant thanks the Examiner for allowing claims 1-26, 32, 33 and 51-60. The Applicant hereby cancels rejected claims 28 and 31 and also withdrawn claims 46-50. Claim 27 has been amended to include the allowable limitation "wherein said subsystem is embedded inside said signal processing system such that said input signal is a decomposed component of an input signal to said signal processing system" from original claim 34, which has in turn been cancelled. Accordingly, claim 27 and claims 35-45 which each depend upon amended independent claim 27, should now be allowable. In addition, claim 33 has been amended to correct a typographical error. The Applicant asserts that no new matter has been added by the amendments herein, and requests that the Examiner enter the amendments and move the allowed and allowable claims toward issuance.

If, in the Examiner's opinion, a telephonic interview would expedite the favorable prosecution of the present application, the undersigned attorney would welcome the opportunity

to discuss any outstanding issues, and to work with the Examiner toward moving the application towards issuance.

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Very Truly Yours,

A handwritten signature in black ink, appearing to read "Jason P. Fiorillo", written over a horizontal line.

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